

APPROVED	O.G. FIG. No. 5	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	387.3

Title: ANTI- $\alpha_v\beta_3$  RECOMBINANT HUMAN ANTIBODY  
 Inventor: William D. Huse  
 Serial No. 09/016,061(P-IX 1482)

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6596850

CAG GTG CAG CTG GTG GAG TCT GGG GGA GGC GTT GTG CAG CCT GGA AGG	48
Gln Val Gln Leu Val 5	
Gln 1	
TCC CTG AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT AGC TAT	96
Ser Leu Arg Leu Ser 20	
Ser Cys Ala Ala Ser 25	
Gly Phe Thr Gly Ser Ser 30	
GAC ATG TCT TGG GTT CGC CAG GCT CCG GGC AAG GGT CTG GAG TGG GTC	144
Asp Met Ser 35	
Trp Val Arg Gln Ala Pro Gly Lys Gly 45	
GCA AAA GTT AGT AGT GGT GGT AGC ACC TAC TAT TTA GAC ACT GTG	192
Ala Lys Val Ser Ser Gly 50	
Gly Ser Thr Tyr 60	
CAG GGC CGA TTC ACC ATC TCC AGA GAC AAT AGT AAG AAC ACC CTA TAC	240
Gln Gly Arg Phe Thr 65	
Ile Ser Arg Asp Asn Ser 75	
Leu 80	
CTG CAA ATG AAC TCT CTG AGA GCC GAG GAC ACA GGC GTG TAT TAC TGT	288
Leu Gln Met Asn Ser 85	
Leu Arg Ala Glu Asp Thr Ala Val Tyr 95	
GCA AGA CAT AAC TAC GGC AGT TTT GCT TAC TGG GGC CAA GGG ACT ACA	336
Ala Arg His Asn Tyr 100	
Gly Ser Phe Ala Tyr Trp Gly Gln Gly Thr 110	
GTG ACT GTT TCT AGT	351
Val Thr Val Ser Ser 115	

FIG. 1A

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly	48
GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Glu Arg Ala Thr Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His	96
CTA CAC TGG TAT CAA CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu Ile	144
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC Lys Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ala Arg Phe Ser Gly	192
AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro	240
GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Ser Gly Ser Trp Pro His	288
ACG TTC GGA GGG GGG ACC AAG GTG GAA ATT AAG Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys	321

FIG. 1B

APPROVED	Q. G. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

GAA GTG CAG CTG GTG GAG TCT GGG GGA GGC TTA GTG AAG CCT GGA AGG	48
Glu Val Gln Leu Val 5	
TCC CTG AGA CTC TCC TGT GCA GCC TCT GGA TTC GCT TTC AGT AGC TAT	96
Ser Leu Arg Leu Ser 20	
GAC ATG TCT TGG GTT CGC CAG ATT CCG GAG AAG AGG CTG GAG TGG GTC	144
Asp Met Ser Trp Val Arg Gln Ile 40	
GCA AAA GTT AGT AGT GGT GGT GGT AGC ACC TAC TAT TTA GAC ACT GTG	192
Ala Lys Val Ser Ser Gly 55	
CAG GGC CGA TTC ACC ATC TCC AGA GAC AAT GCC AAG AAC ACC CTA TAC	240
Gln Gly Arg Phe Thr 70	
CTG CAA ATG AGC AGT CTG AAC TCT GAG GAC ACA GCC ATG TAT TAC TGT	288
Leu Gln Met Ser Ser 85	
GCA AGA CAT AAC TAC GGC AGT TTT GCT TAC TGG GGC CAA GGG ACT CTG	336
Ala Arg His Asn 100	
GTC ACT GTC TCT GCA	351
Val Thr Val Ser Ala 115	

FIG. 2A

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

GAT ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT GTG ACA CCA GGA Asp Ile Val Leu Thr <sup>5</sup> Gln Ser Pro Ala Thr <sup>10</sup> Leu Ser Val <sup>15</sup> Thr <sup>15</sup> Pro Gly <sup>48</sup>
GAT AGC GTC AGT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Asp Ser Val Ser <sup>20</sup> Leu Ser Cys Gln Ala Ser <sup>25</sup> Gln Ser Ile <sup>30</sup> Ser <sup>30</sup> Asn His <sup>96</sup>
CTA CAC TGG TAT CAA CAA AAA TCA CAT GAG TCT CCA AGG CTT CTC ATC Leu His Trp Tyr <sup>35</sup> Gln Gln Lys <sup>40</sup> Ser His Glu Ser <sup>45</sup> Pro Arg <sup>45</sup> Leu Ile <sup>144</sup>
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC TCC AGG TTC AGT GGC Lys Tyr <sup>50</sup> Arg Ser Gln Ser <sup>55</sup> Ile Ser <sup>60</sup> Gly Ile <sup>60</sup> Pro Ser <sup>60</sup> Arg Phe Ser Gly <sup>192</sup>
AGT GGA TCA GGG ACA GAT TTC GCT CTC AGT ATC AAC AGT GTG GAG ACT Ser Gly Ser Gly Thr <sup>65</sup> Asp Thr <sup>70</sup> Phe Ala Leu Ser <sup>75</sup> Ile <sup>75</sup> Asn Ser <sup>80</sup> Val <sup>80</sup> Glu <sup>80</sup> Thr <sup>80</sup> ACT <sup>240</sup>
GAA GAT TTT GGA ATG TAT TTC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Gly <sup>85</sup> Met <sup>90</sup> Tyr Phe Cys Gln <sup>95</sup> Gln Ser <sup>95</sup> Gly Ser <sup>95</sup> Trp <sup>95</sup> Pro His <sup>288</sup>
ACG TTC GGA GGG ACC AAG CTG GAA ATT AAG Thr Phe Gly <sup>100</sup> Gly <sup>105</sup> Thr Lys Leu <sup>105</sup> Glu Ile Lys <sup>321</sup>

FIG. 2B

APPROVED	O.G. FIG.
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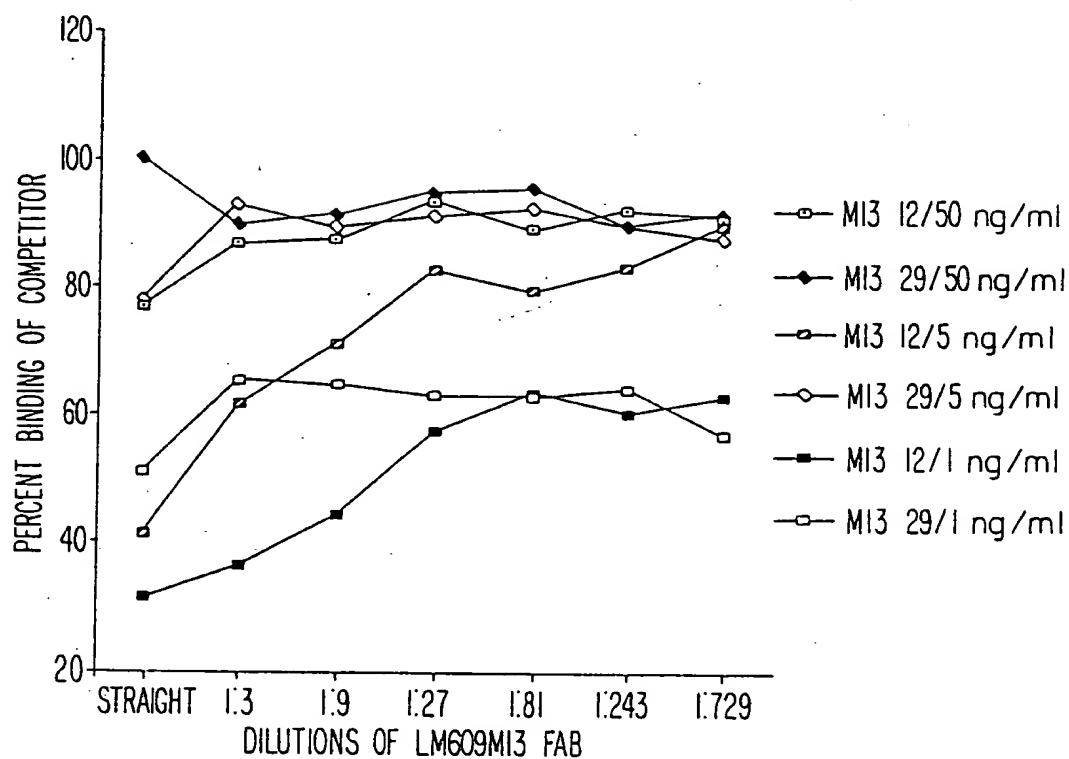


FIG. 3

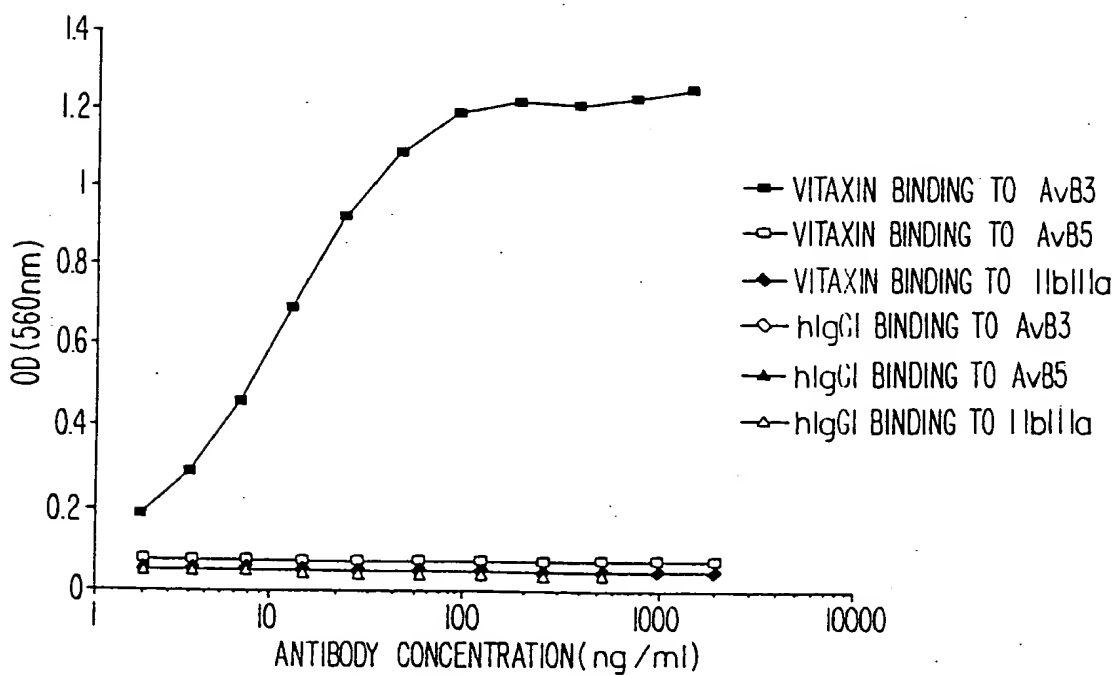


FIG. 4A

APPROVED	O. G. FIG.	
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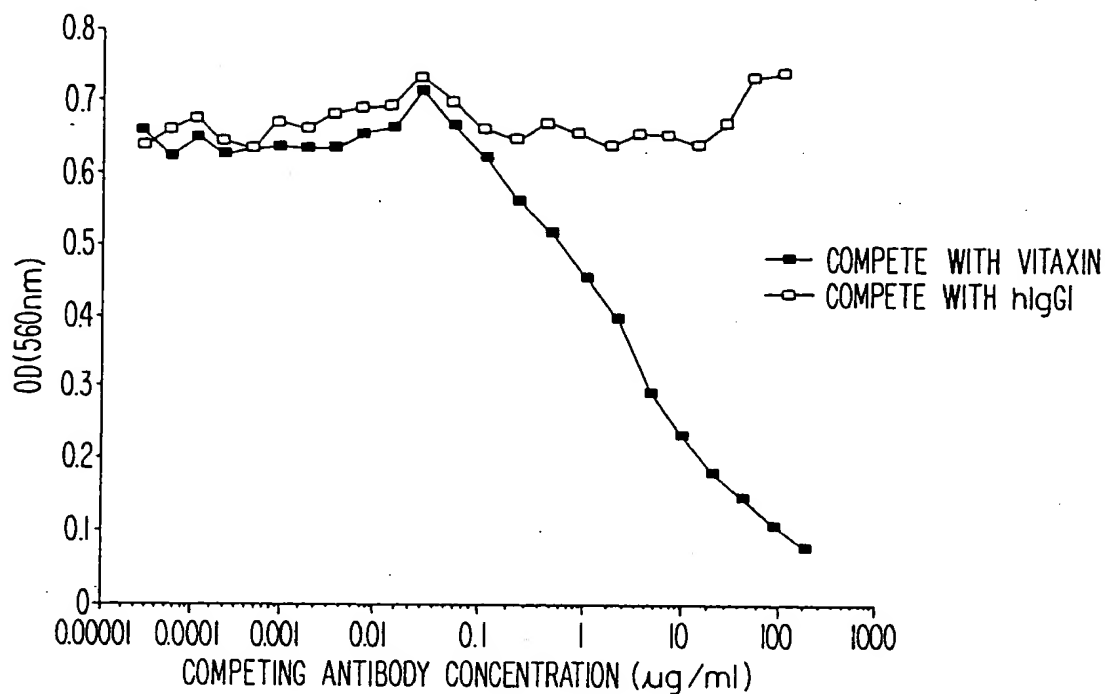


FIG. 4B

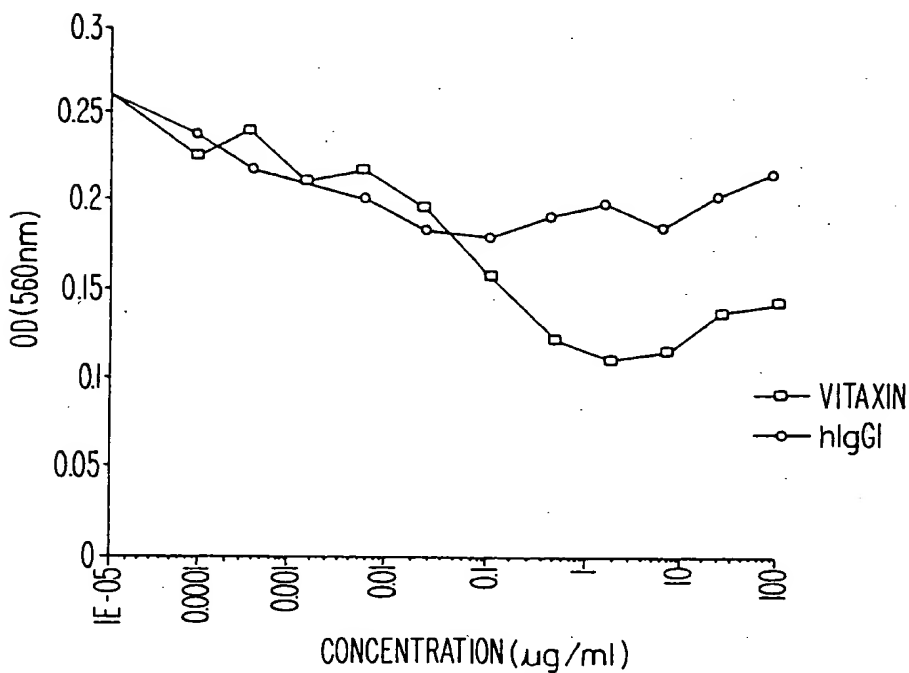


FIG. 4C

APPROVED	O. G. FIG.	
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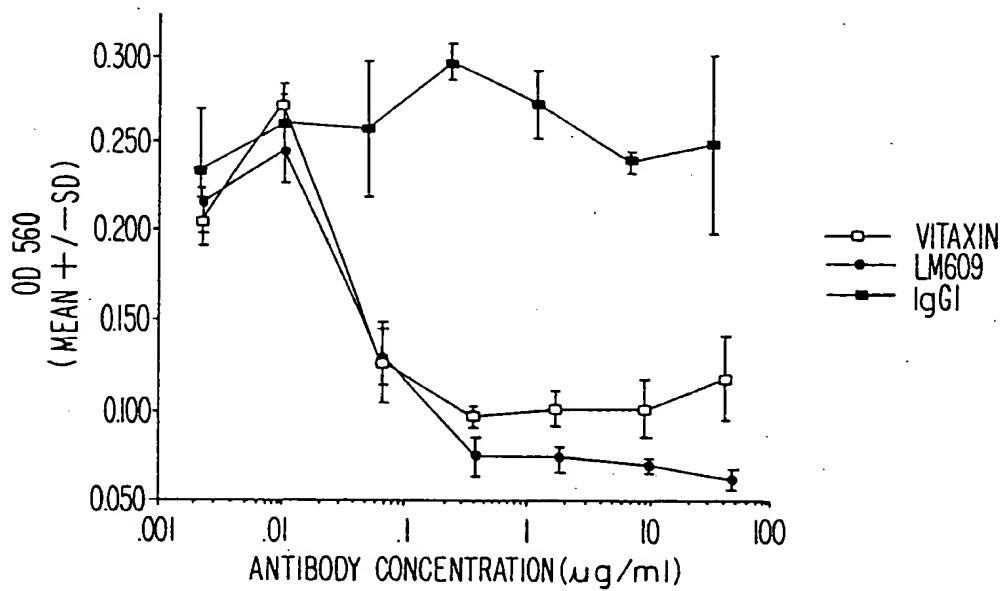


FIG. 5A

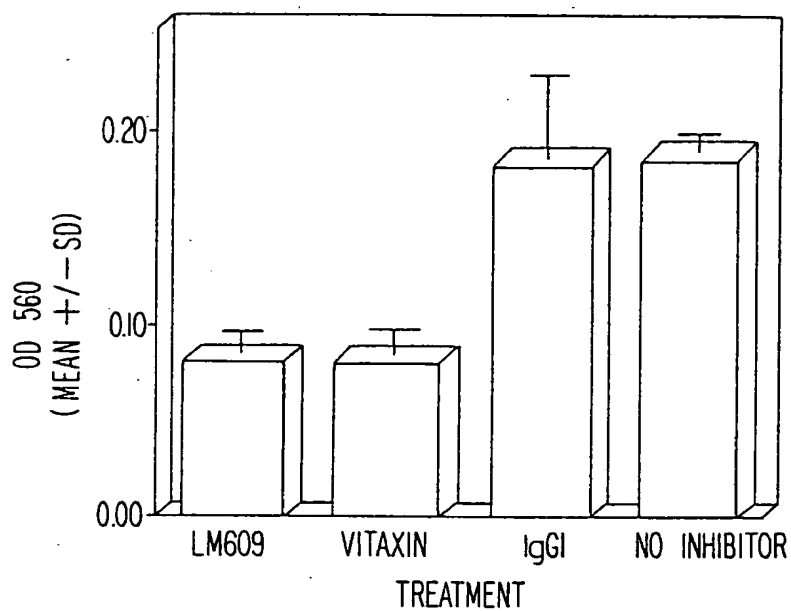


FIG. 5B

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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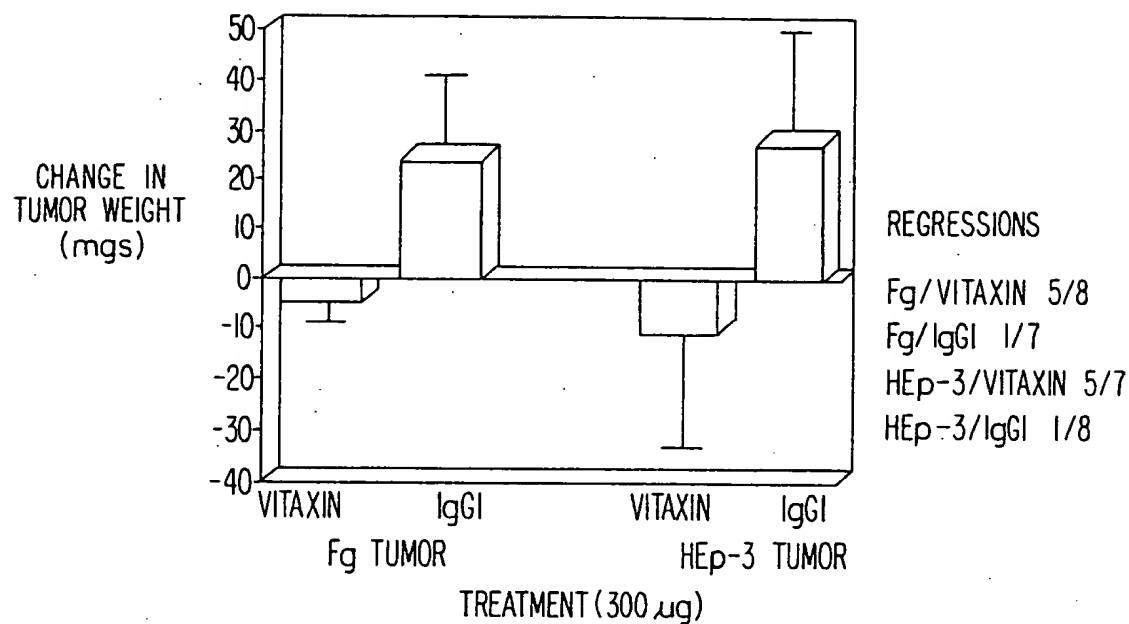


FIG. 6A

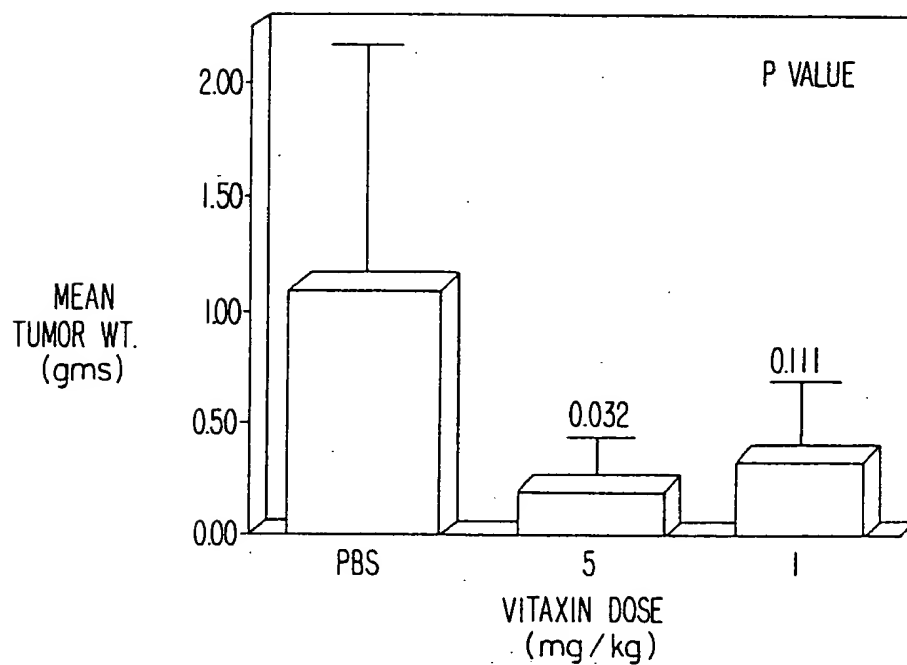


FIG. 6B



APPROVED	O. G. FIG.
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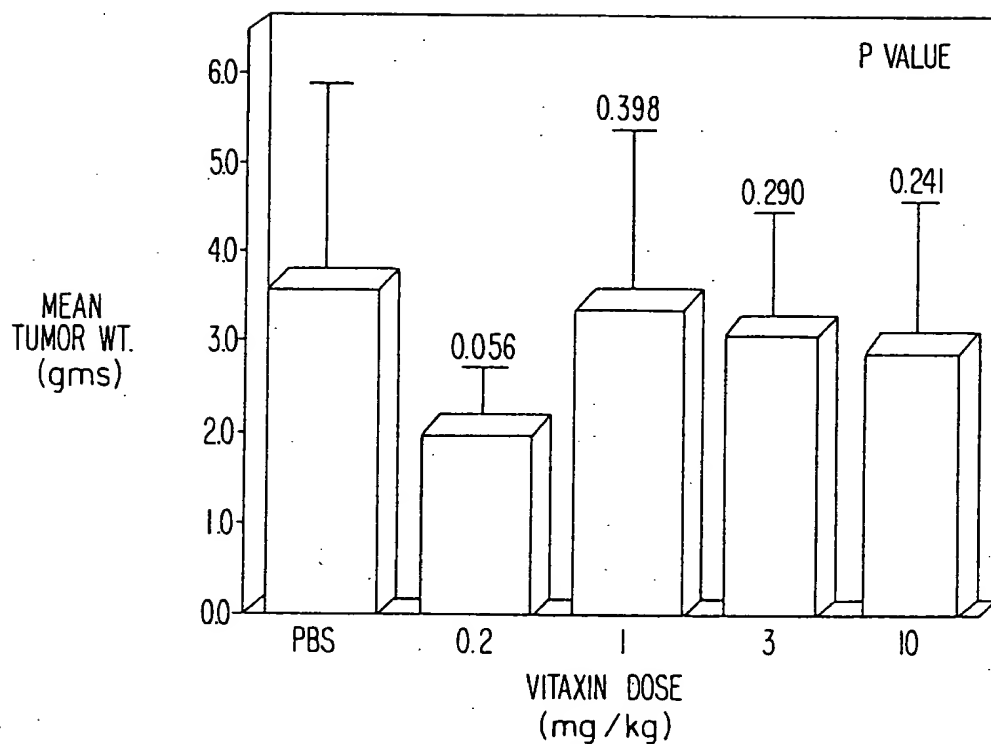


FIG. 6C

APPROVED	O. G. FIG.	
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48 GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA  
 Glu Ile Val Leu Thr 5 Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly 15  
 96 GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC  
 Glu Arg Ala Thr 20 Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His 30  
 144 CTA CAC TGG TAT CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC  
 Leu His Trp Tyr 35 Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu Ile 45  
 192 CGT/ATG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC  
 Arg/Met Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ala Arg Phe Ser Gly 60  
 240 AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT  
 Ser Gly Ser Gly Thr 65 Thr Asp 70 Thr Leu Thr Ile Ser Ser Leu Glu Pro 80  
 288 GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC  
 Glu Asp Phe Ala Val 85 Tyr Tyr Cys Gln Gln Ser Gly Ser Trp Pro His 95  
 321 ACG TTC GGA GGG GGG ACC AAG GTG GAA ATT AAG  
 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys 105

FIG. 7

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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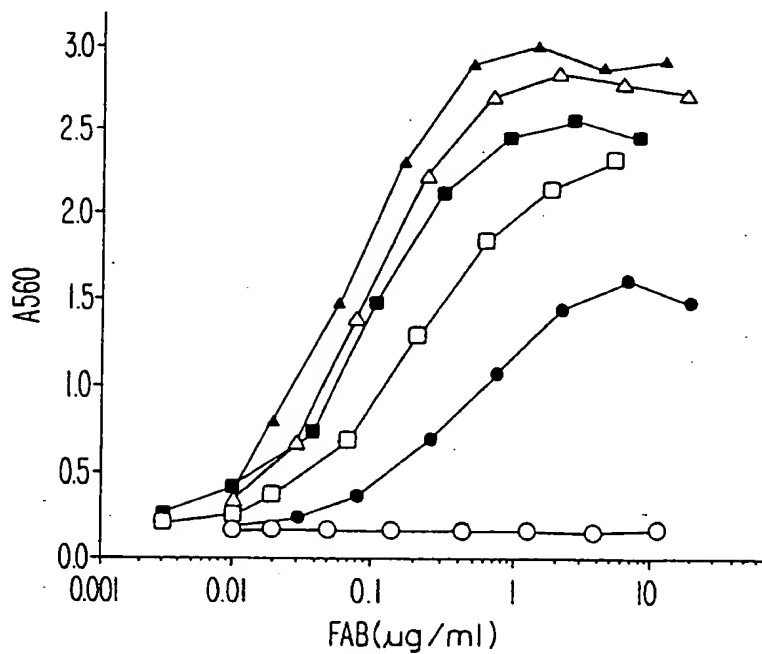


FIG. 8

- (1) WILD TYPE
- (2) F<sup>32</sup>
- (3) N<sup>92</sup>
- (4) L<sup>96</sup>

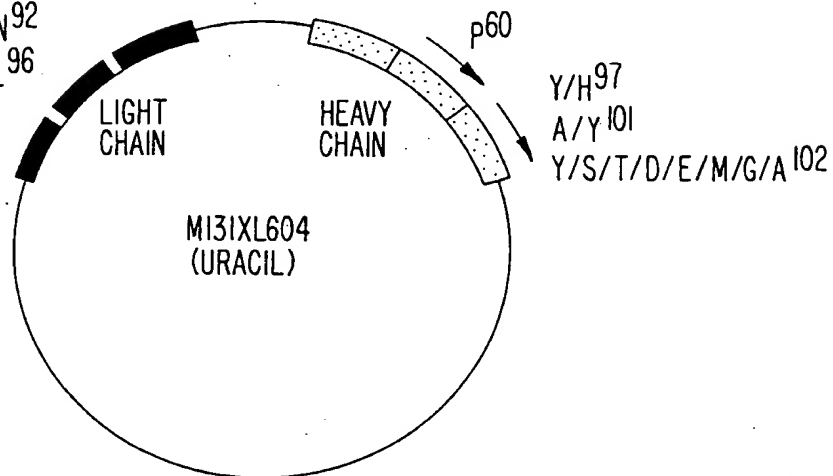


FIG. 9

APPROVED	O. G. FIG.	
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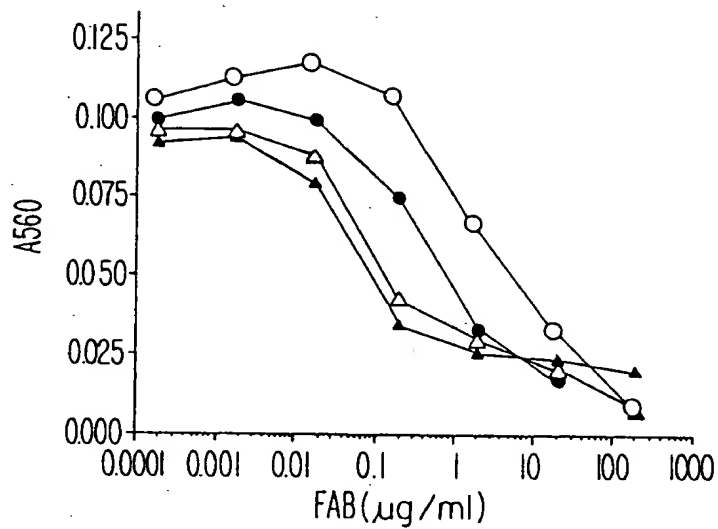


FIG. 10A

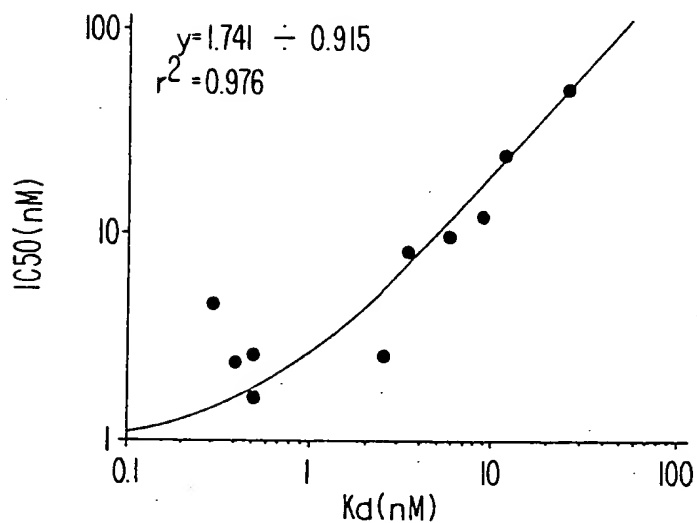


FIG. 10B

APPROVED	O G. FIG.	
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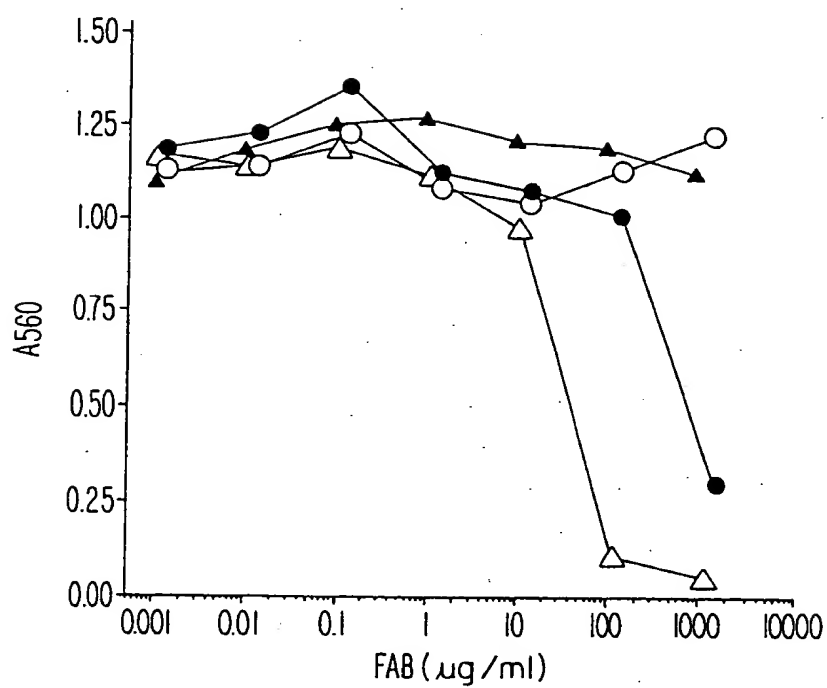


FIG. 11